



AHPS HSA Map Layers Tool User Guide



NWS Hydrologic Service Area (HSA) Map Layers Tool

In an upcoming release of the AHPS (Advanced Hydrological Prediction Services) Web Suite a new tool will be made available for public use, The HSA Map Layers Tool. This tool provides greater user flexibility when it comes to viewing the on-line HSA maps. Users will have the ability to manipulate the map layers via “on / off” toggle(s). To activate or deactivate a toggle, simply mouse over a toggle selection box and click your mouse. The available selections/toggles can be seen in the example below (**Figure 1**):

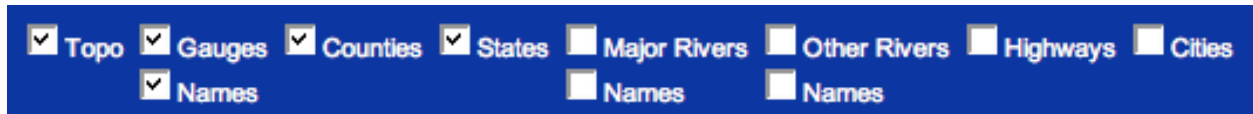


Figure 1: HSA Map Layer(s) Toggles

Description of layer toggles:

- **Topo** – Topography of a region. A basic black background is visible when the Topo overlay is turned “Off”. Default: On
- **Gauges** – Displays gauges and their status in relation to map legend. Default: On
Names – Gauge location names. Default: On
- **Counties** – Counties are indicated by a gray outline. Default: On
- **States** – States are indicated by a black outline. Default: On
- **Major Rivers** – Displays major rivers of an HSA. Default: Off
Names – Displays the labels for the major rivers within the HSA. Default: Off
- **Other Rivers** – Displays the Secondary or Other Rivers of an HSA. Default: Off
Names – Displays the labels for the Secondary or Other Rivers within the HSA. Default: Off
- **Highways** – Turns “On/Off” Interstates and major U.S. Highways. Default: Off
- **Cities** – Turns “On/Off” the names of cities. Default: Off

Flooding Reference Selection Tool

In addition to the Map Layers Enhancement provided by this release, the ability for users to quickly identify locations (gauges) in flood has been added to the mapping features as well. Users can either choose to see the total number of gauges or view only those locations (gauges) in flood by clicking the selection box (Area) under the HSA map labeled “# Total Gauges” or “# Location(s) in Flood”; where # is numerical representations of gauge totals. Please reference this option in the selection below indicated by the **Red Rectangle**, see **Figure 2**.

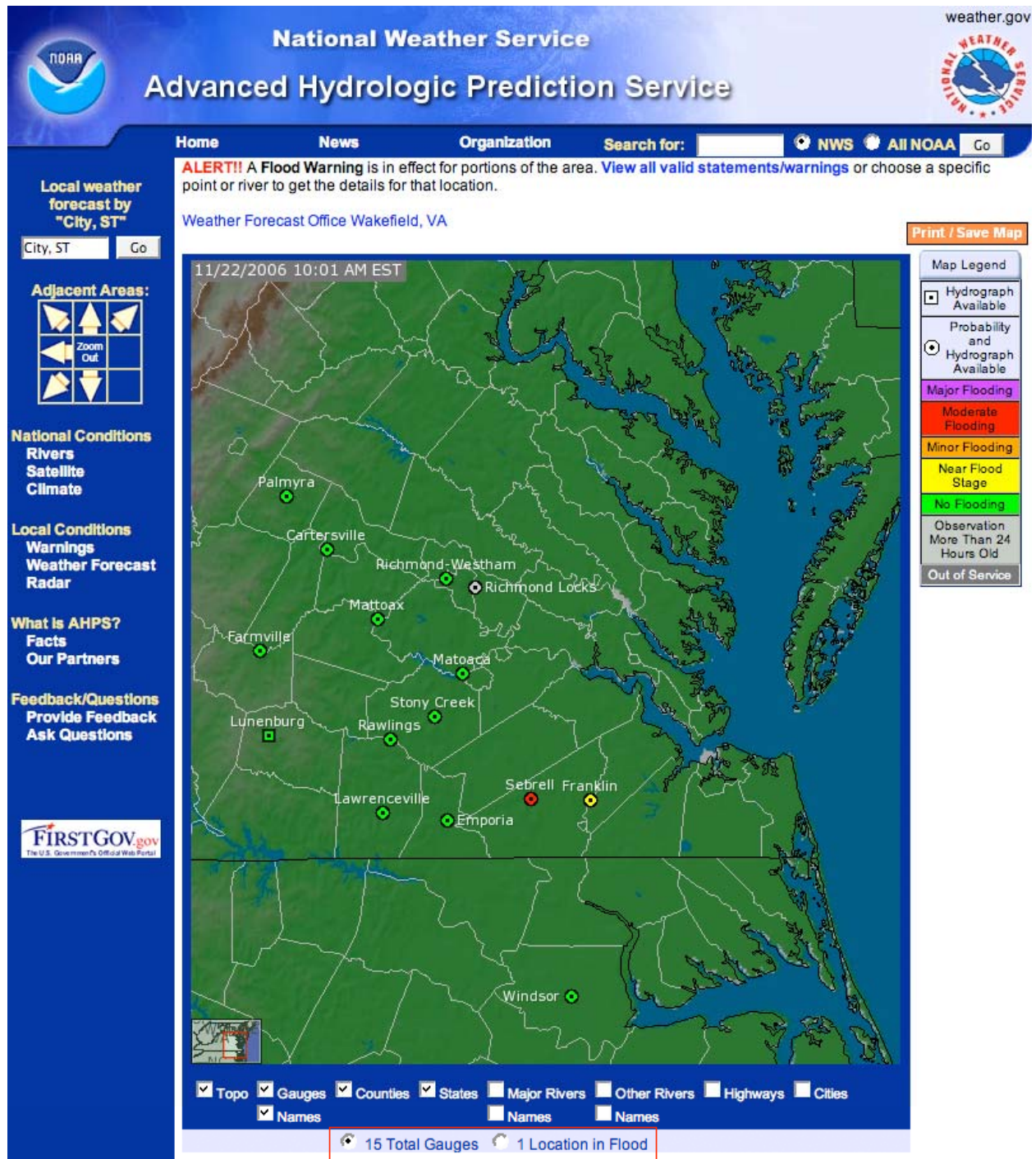


Figure 2: Quick Flooding Reference Tool

Print / Save Map Feature

An additional feature to be introduced is the **Print / Save Map** tool. This tool allows users to save and/or print a snapshot of the current HSA map with whichever layer selection(s) they have chosen. To use this feature, select how you would like the HSA map to be displayed by activating or de-activating layers, and then click **Print / Save Map**. This will bring up another browser window containing the image to be saved and/or printed. See the example below for how the saved image will look, see **Figure 3**.

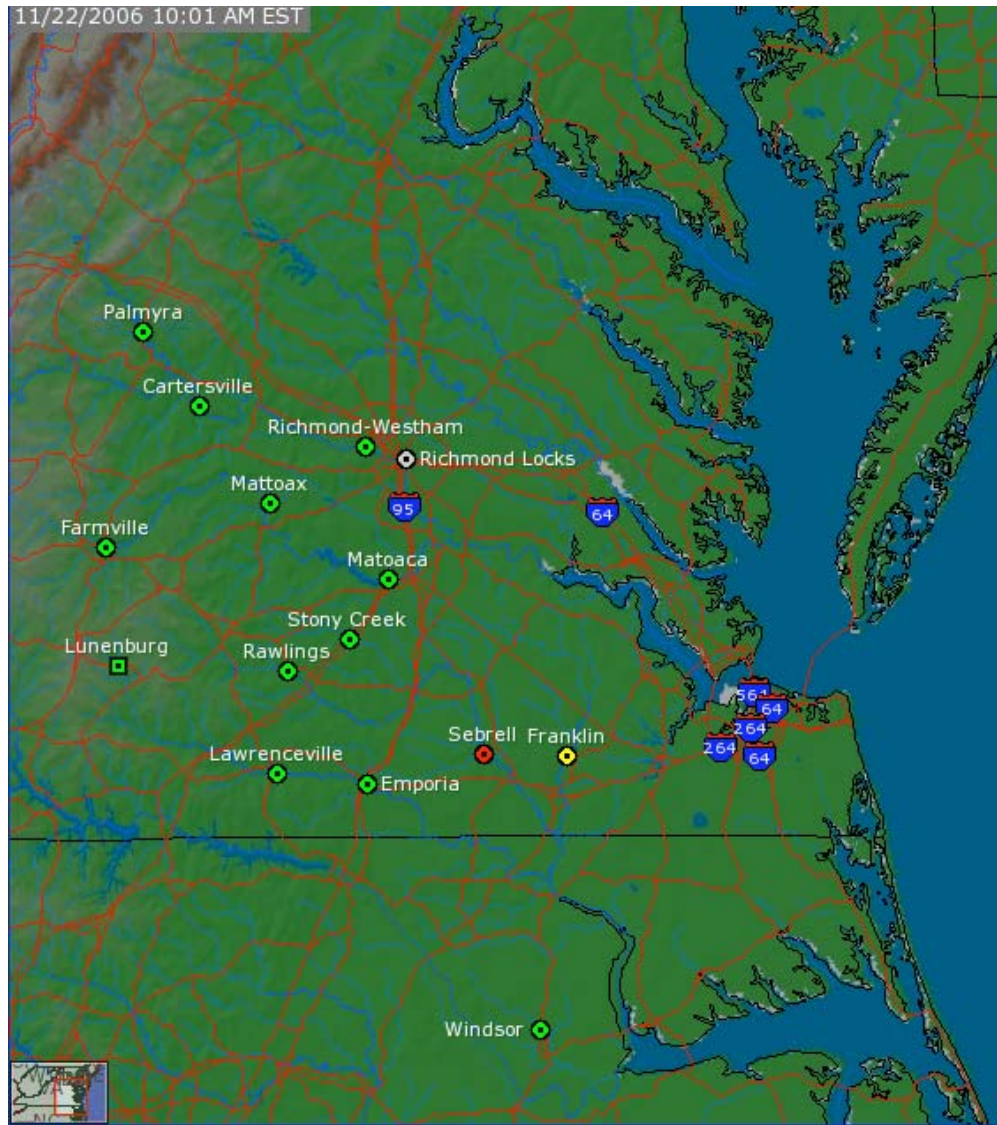


Figure 3: Saved Printed Map with Highways/Major Rivers

In addition to these new features, the legacy features of dynamically colored menus and point and click on-demand hydrographs are still supported in this release.